

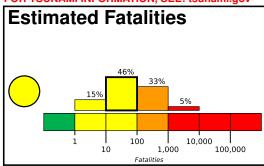




PAGER Version 4

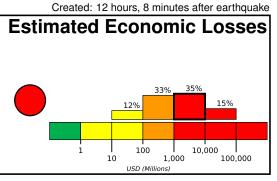
M 7.5, 42 km NE of Anamizu, Japan Origin Time: 2024-01-01 07:10:09 UTC (Mon 16:10:09 local) Location: 37.4976° N 137.2416° E Depth: 10.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov



Red alert for economic losses. Extensive damage is probable and the disaster is likely widespread. Estimated economic losses are less than 1% of GDP of Japan. Past events with this alert level have required a national or international level response.

Yellow alert for shaking-related fatalities. Some casualties are possible.



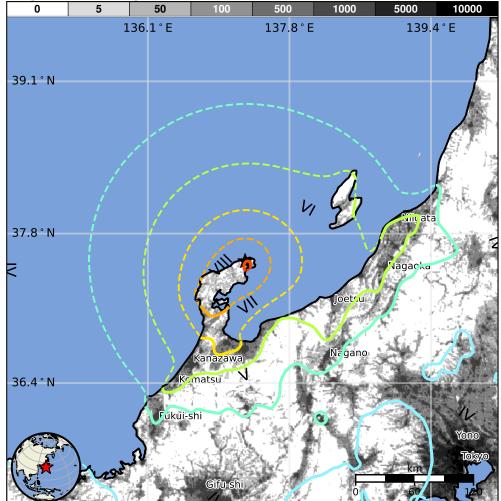
Estimated Population Exposed to Earthquake Shaking

ESTIMATED EXPOSURE	POPULATION (k=x1000)	_*	2,355k*	43,647k*	1,830k	3,337k	577k	144k	17k	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan 5000



PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty. https://earthquake.usgs.gov/earthquakes/eventpage/us6000m0xl#pager

Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are heavy wood frame and reinforced/confined masonry construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1983-05-26	367	7.7	VII(174k)	104
1974-05-08	353	6.7	IX(30k)	27
1995-01-16	381	6.9	IX(1,740k)	6k

Recent earthquakes in this area have caused secondary hazards such as tsunamis, landslides, fires and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org				
MMI	City	Population		
VIII	Nanao	45k		
VII	Hakui	25k		
VII	Himimachi	55k		
VII	Nishishinminato	36k		
VII	Takaoka	170k		
VII	Joetsu	204k		
VI	Niigata	505k		
IV	Tokyo	8,337k		
IV	Saitama	1,193k		
IV	Chiba	920k		
IV	Yokohama	3,574k		

bold cities appear on map.

(k = x1000)

Event ID: us6000m0xl